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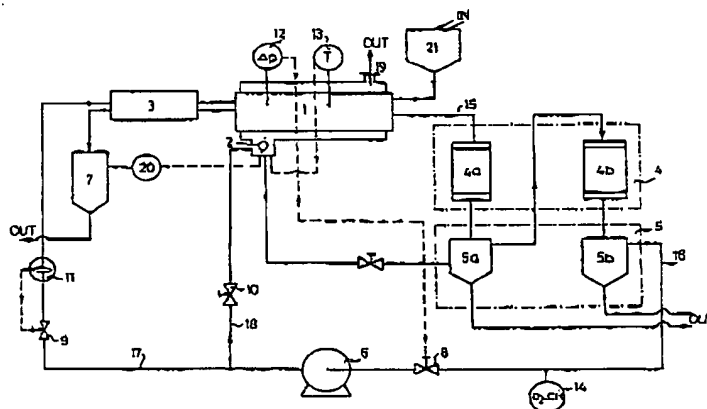
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(54) Title: CLOSED-LOOP CONTINUOUS OPERATING PYROLYSIS SYSTEM FOR PROCESSING RUBBER WASTE



## (57) Abstract

The invention relates to a closed-loop continuous operating pyrolysis system for processing rubber waste, comprising pyrolysis furnace (1) provided with dosing tank (21), flue-gas channel and external heating unit, furthermore, to the pyrolysis furnace (1) gas cooler(s) (4, 4a, 4b) and separating unit(s) (5, 5a, 5b) as well as solid-product sump (7) are joined by means of gas collector conduit (15). In the sense of the invention the heat exchanger (3) arranged between the pyrolysis furnace (1) and the solid-product sump (7) through a gas conduit (17) provided with a gas-meter (11) and a gas-flow control valve (9) and inserting a circulation ventilator (6) and a suction control valve (8) are joined to the outlet gas conduit (16) of the separating unit(s) (5, 5a, 5b), furthermore consists of a by-pass gas conduit (18) provided with a gas-flow control valve (10) arranged after the circulation ventilator (6), the by-pass gas conduit (18) is joined to the heating apparatus (2) and the cell cavity of the pyrolysis furnace (1) provided with a temperature detector (13) as well as pressure gauge and/or pressure transmitter (12), and the latter is connected to the controlling means of the suction control valve (8).